

CLAIM AMENDMENTS

IN THE CLAIMS

This listing of the claims will replace all prior versions, and listing, of claims in the application or previous response to office action:

- 1-16. (Cancelled)
- 17-18. (Cancelled)
- 19. (Cancelled)
- 20-27. (Cancelled)
- 28. (Cancelled)
- 29-32. (Cancelled)
- 33. (Cancelled)
- 34-36. (Cancelled)

37. (Previously Presented) A control system for an internal combustion engine, said system comprising:

a nitrogen oxide sensor, and

and evaluating unit, a first connecting line for transmission of data from the sensor to the unit forming part of an interface for digitization of the data, a second connecting line for transmission of the digitized data from the unit to an engine control device, wherein said interface is a plug connector having a housing with the evaluating unit integrated therein, and said connector has a cooling surface with a thermal connection to at least one output component of the unit.

38. (Previously Presented) An exhaust gas sensor for an internal combustion engine comprising:

an exhaust gas probe electrically coupled to an interface, the sensor operable to transmit data to the interface via a connecting line,

an evaluating unit forming a part of the interface, the evaluating unit operable to convert data from the probe into a digital signal, wherein the interface comprises a plug connector having a housing with the unit integrated therein, said housing including a water-repellant membrane operable to permit a supply of air through a second connecting line.